

Converting Colors

XYZ(33.1697, 33.5828, 42.1898)

Have a look what the booklet for
XYZ(33.1697, 33.5828, 42.1898)
contains.

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Color

**XYZ(33.1809, 33.6782,
42.2878)**

Conversions

Conversions Part 1

Format	Color
Hex	9F9BA9
RGB	159, 155, 169
RGB Percent	62%, 61%, 66%
CMY	0.3765, 0.3921, 0.3373
CMYK	0.06, 0.08, 0.00, 0.34
HSL	257°, 8%, 64%
HSV	257°, 8%, 66%
XYZ	33.1809, 33.6782, 42.2878
YIQ	157.7920, -2.1100, 5.2020

Conversions

Conversions Part 2

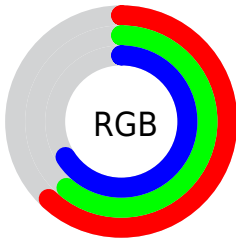
Format	Color
R_{YB}	159, 155, 169
Decimal	10460073
CIE Lab	64.71, 4.19, -6.77
CIE LCh	65, 7.963, 301.752
Yxy	33.6782, 0.3040, 0.3086
Android (android.graphics.Color)	4288650153 (0xFF9F9BA9)
YUV	157.7920, 5.5255, 1.0594
Hunter-Lab	58.0329, 0.5015, -2.5808

Details

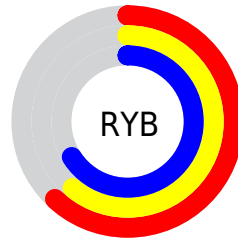
The XYZ color **33.1809, 33.6782, 42.2878** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.6225, 38.7426, 36.6125**, and the grayscale version is **32.3825, 34.0689, 37.1010**.

A 20% lighter version of the original color is **63.9866, 65.2789, 79.7486**, and **14.3455, 14.3731, 18.8478** is the 20% darker color. If you saturate the color by 10%, you get **28.2847, 27.2678, 41.3090**, and if you desaturate by 10%, it is **38.7066, 40.9994, 43.4102**.

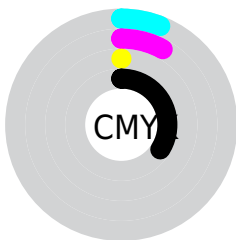
Distribution



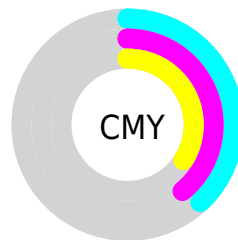
- Red (62%)
- Green (61%)
- Blue (66%)



- Red (62%)
- Yellow (61%)
- Blue (66%)



- Cyan (6%)
- Magenta (8%)
- Yellow (0%)
- Black (34%)



- Cyan (38%)
- Magenta (39%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1809, 33.6782, 42.2878 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 33.1809, 33.6782, 42.2878 by changing the saturation by 10% instead.

■ 33.1809, 33.6782,
42.2878

■ 33.1809, 33.6782,
42.2878

308.1147,
318.6948, 371.5094

■ 22.4250, 22.6465,
28.9995

■ 64.0106, 65.4329,
79.9098

■ 14.2878, 14.3327,
18.8348

■ 84.8152, 86.9247,
105.0805

■ 8.4042, 8.3524,
11.3754

109.6999,
112.6721, 135.0492

■ 4.4086, 4.3213,
6.2026

139.0303,
143.0592, 170.2342

■ 1.9358, 1.8549,
2.8979

173.1716,
178.4707, 211.0542

■ 0.5975, 0.5210,
1.0427

212.4892,

■ 0.0000, 0.0000,

219.2909, 257.9277

0.0000

257.3484,
265.9041, 311.2733

■ 33.1809, 33.6782,
42.2878

■ 33.1809, 33.6782,
42.2878

■ 28.2847, 27.2678,
41.3090

■ 38.7066, 40.9994,
43.4102

■ 23.9921, 21.7278,
40.4660

■ 44.8806, 49.2609,
44.6794

■ 20.2797, 17.0214,
39.7532

■ 51.7244, 58.4964,
46.1014

■ 17.1215, 13.1072,
39.1641

■ 59.2578, 68.7364,
47.6808

■ 14.4892, 9.9404,
38.6916

■ 67.4998, 80.0103,
49.4225

■ 12.3521, 7.4714,
38.3277

■ 76.0187, 91.4468,
51.1810

■ 10.6758, 5.6447,
38.0635

■ 80.0610, 93.5307,
51.3702

■ 9.4211, 4.3957,
37.8885

■ 84.1615, 95.6446,
51.5621

■ 8.5255, 3.6145,
37.7849

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.0774, 33.6782, 43.3292



33.1809, 33.6782, 42.2878



33.9858, 33.6782, 39.7308

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



33.1809, 33.6782, 42.2878



33.0618, 33.6782, 31.3990



29.8628, 33.6782, 36.8627

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



33.1809, 33.6782, 42.2878



35.6225, 38.7426, 36.6125

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



30.1125, 33.6782, 33.7702



33.1809, 33.6782, 42.2878



31.9430, 33.6782, 30.7304

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



33.1809, 33.6782, 42.2878



33.9159, 33.6782, 33.4556



30.8672, 33.6782, 31.5729



30.1771, 33.6782, 40.0836

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



33.1809, 33.6782, 42.2878



34.2352, 33.6782, 37.5804



30.8672, 33.6782, 31.5729



29.8836, 33.6782, 35.7741

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



33.1819, 33.6796, 42.2885



65.4725, 68.3117, 76.9598



34.1413, 36.7565, 42.8319



14.2954, 14.9225, 16.7790



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.1819, 33.6796, 42.2885



57.6777, 58.0167, 75.3835



34.6027, 34.4121, 42.3550



7.3256, 7.4004, 9.4607



6.3022, 2.6323, 28.1514



0.2028, 0.0895, 0.6872

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



34.8762, 34.5958, 40.4382



61.3690, 60.0133, 71.3242



34.2126, 38.0158, 36.5466



7.7492, 7.6295, 8.9964



14.7783, 7.3200, 14.1762



0.3799, 0.1862, 0.4521

Previews

White Background



This preview shows how the XYZ color 33.1809, 33.6782, 42.2878 looks on a white background.

Color Contrast Check

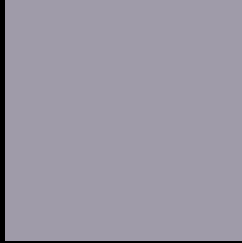
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 33.1809, 33.6782, 42.2878 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

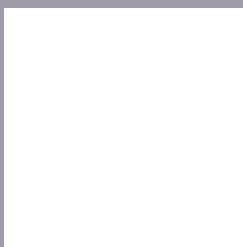
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.1809, 33.6782, 42.2878

Background



This preview shows how black text looks on a background with the XYZ color 33.1809, 33.6782, 42.2878.



This preview shows how white text looks on a background with the XYZ color 33.1809, 33.6782,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

33.1809, 33.6782, 42.2878

Protanopia

32.8545, 33.7471, 42.8124

Deuteranopia

34.2098, 33.4657, 42.6867



Tritanopia

33.0873, 33.6408, 41.7952

Trichromacy



Original Color

33.1809, 33.6782, 42.2878

Protanomaly

33.0488, 33.8473, 42.8215

Deuteranomaly

33.7512, 33.4713, 42.7119

Tritanomaly

33.0873, 33.6408, 41.7952

Monochromacy



Original Color

33.1809, 33.6782, 42.2878

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

32.6791, 33.9917, 39.0211

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1809, 33.6782, 42.2878 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(159, 155, 169)` looks like.

```
.text, #text, p{  
    color:rgb(159, 155, 169)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(159, 155, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 155, 169) }
```

Border

The CSS property to change the border of an element to XYZ 33.1809, 33.6782, 42.2878 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(159, 155, 169) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(159, 155, 169) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(159, 155, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 155, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 155, 169);  
box-shadow:4px 4px 4px 4px rgb(159, 155,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1809, 33.6782, 42.2878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 155, 169) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(159,  
155, 169) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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